Title (en)
IMPROVED SPECTRAL TRANSLATION/FOLDING IN THE SUBBAND DOMAIN

Title (de)
VERBESSERTE SPEKTRALE ÜBERSETZUNG/FALTUNG IM SUBBAND-BEREICH

Title (fr)
TRANSLATION/PLIAGE SPECTRAL AMELIORE(E) DANS LE DOMAINE SOUS-BANDE

Publication
EP 1285436 B1 20030917 (EN)

Application
EP 01937069 A 20010523

Priority
- SE 0101171 W 20010523
- SE 0001926 A 20000523

Abstract (en)
[origin: SE523883C2] The method involves filtering a low band signal through the analysis part of a digital filter bank and obtaining a set of subband signals. A number of the subband signals are patched from consecutive channels of the filter bank to consecutive channels in the synthesis part of a digital filter bank. Each of the subband signals is patched from a channel with frequency index k to a channel with frequency index j not equal to k. The patched subband signals are adjusted in accordance to a desired spectral envelope. The adjusted subband signals are filtered through the synthesis part of a digital filter bank. An envelope adjusted and frequency translated or folded signal is obtained. An Independent claim is included for an apparatus for enhancement of source coding systems using high-frequency reconstruction techniques.

IPC 1-7
G10L 21/02

IPC 8 full level
G10L 21/02 (2013.01); **G10L 21/038** (2013.01); **H04B 1/26** (2006.01); G10L 19/02 (2013.01)

CPC (source: EP SE US)
G10L 19/0017 (2013.01 - US); **G10L 19/0208** (2013.01 - US); **G10L 19/26** (2013.01 - US); **G10L 19/265** (2013.01 - US); **G10L 21/038** (2013.01 - EP SE US); G10L 19/0204 (2013.01 - EP SE US)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0191111 A1 20011129; AT E250272 T1 20031015; AU 6283601 A 20011203; BR 0111362 A 20030520; BR PI0111362 B1 20151208; CN 1210689 C 20050713; CN 1430777 A 20030716; DE 60100813 D1 20031023; DE 60100813 T2 20040715; EP 1285436 A1 20030226; EP 1285436 B1 20030917; HK 1067954 A1 20050422; JP 2003534577 A 20031118; JP 2009122699 A 20090604; JP 4289815 B2 20090701; JP 5090390 B2 20121205; RU 2251795 C2 20050510; SE 0001926 D0 20000523; SE 0203468 D0 20021122; SE 0203468 L 20021122; SE 523883 C2 20040525; US 10008213 B2 20180626; US 10311882 B2 20190604; US 10699724 B2 20200630; US 2004131203 A1 20040708; US 2009041111 A1 20090212; US 2010211399 A1 20100819; US 2012213378 A1 20120823; US 2013339037 A1 20131219; US 2016093310 A1 20160331; US 2017084283 A1 20170323; US 2017178640 A1 20170622; US 2017178641 A1 20170622; US 2017178642 A1 20170622; US 2017178643 A1 20170622; US 2017178644 A1 20170622; US 2017178645 A1 20170622; US 2017345432 A1 20171130; US 2018277128 A1 20180927; US 2019189140 A1 20190620; US 2020388294 A1 20201210; US 7483758 B2 20090127; US 7680552 B2 20100316; US 8412365 B2 20130402; US 8543232 B2 20130924; US 9245534 B2 20160126; US 9548059 B2 20170117; US 9691399 B1 20170627; US 9691400 B1 20170627; US 9691401 B1 20170627; US 9691402 B1 20170627; US 9691403 B1 20170627; US 9697841 B2 20170704; US 9786290 B2 20171010

DOCDB simple family (application)
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